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(71) Applicant: MATSUSHITA ELECTRIC IND CO LTD

(72) Inventor: NUMAMOTO HIRONAO
NISHINO ATSUSHI
ONO YUKIYOSHI
SUZUKI JIRO

(74) Representative:

(54) GAS SEAL MEMBER

(57) Abstract:

PURPOSE: To obtain a gas seal member from which an unburnt portion can be purged while keeping properly cushioning characteristics by depositing a platinum metal on a sheet consisting of an inorg. heat-resistant ceramic fiber, a ceramic powder and an inorg. binder.

CONSTITUTION: A gas sheet member wherein a platinum metal is carried on a sheet or a felt consisting

of pref. 80-97wt.% inorg.
heat-resistant ceramic fiber, pref.
2.7-17wt.% ceramic powder with a
high specific surface area and pref.
0.3-3wt.% inorg. binder for binding
the inorg. heat-resistant ceramic fiber
to the ceramic powder. As the inorg.
heat-resistant ceramic fiber used, an
alumina/silica fiber is most desirable
from the viewpoint of cost. In addition,
as the compsn., one with 40-95wt.%
alumina and 5-60wt.% silica is pref.

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